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### CLAIMS

1. (Currently amended) An insulated glass assembly comprising:

a first panel assembly comprising:

a first glass panel having a perimeter; and

a first one-piece plastic frame molded about and encapsulating the entire said perimeter of said first glass panel;

a second panel assembly comprising:

a second glass panel having a perimeter;

a second one-piece plastic frame molded about and encapsulating the entire said perimeter of said second glass panel; and

said first frame and said second frame ~~joined~~ welded directly together ~~about their entire perimeters.~~

2. (Original) The insulated glass assembly of claim 1 wherein at least one of said first frame and said second frame defines a desiccant channel opening towards the respective panel.

3. (Canceled)

4. (Currently amended) An insulated glass assembly comprising:

a first panel assembly comprising:

a first glass panel having a perimeter; and

a first plastic frame molded about and encapsulating the entire said perimeter of said first glass panel;

a second panel assembly comprising:

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a second glass panel having a perimeter;

a second plastic frame molded about and encapsulating said perimeter of  
said second glass panel; and

said first frame and said second frame welded together. ~~The insulated glass~~  
~~assembly of claim 1 wherein~~ at least one of said first frame and said second frame ~~defines~~  
defining a plurality of parallel ribs fused to the opposite frame.

5. (Original) The insulated glass assembly of claim 4 wherein at least one frame member defines a vent channel substantially perpendicular to said ribs.

6. (Currently amended) An insulated glass assembly including:

a first panel assembly including a first glass panel and a first one-piece plastic frame, said first glass panel having a perimeter, said first frame molded about said perimeter and creating an airtight seal between said first frame and said first glass panel;

a second panel assembly including a second glass panel and a second one-piece plastic frame, said second glass panel having a perimeter, said second frame molded about said second glass perimeter and creating an airtight seal between said second frame and said second glass panel; and

said first frame and said second frame ~~joined~~ welded directly together to form an airtight seal between said first frame and said second frame.

7. (Canceled)

8. (Original) An insulated glass assembly as defined in claim 6 wherein said first frame and said second frame are vibration welded together.

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9. (Canceled)

10. (Original) An insulated glass assembly as defined in claim 6 wherein said first frame comprises at least one rib and at least one channel adjacent to said rib, said rib engaging said second frame.

11. (Currently amended) An insulated glass assembly as defined in claim 6 wherein at least one of said first and said second frames defines a desiccant channel opening toward the other of said first and second frames.

12. (Original) An insulated glass assembly comprising:

a first glass panel having a first perimeter edge, first inner glass surface and a first outer glass surface;

a first perimeter frame molded in one piece about said first perimeter edge, a portion of said first inner glass surface, and a portion of said first outer glass surface, said first perimeter frame forming an air tight seal with said first glass panel, said first perimeter frame including a first outer surface and a first inner surface including at least one rib and at least one melt down channel;

a second glass panel having a second perimeter edge, a second inner glass surface and a second outer glass surface; and

a second perimeter frame molded in one piece about said second perimeter edge, a portion of said second inner glass surface, and a portion of said second outer glass surface, said second perimeter frame forming an airtight seal with said second glass panel, said second

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perimeter frame including a second inner and a second outer surface, said second inner surface joined to said first inner surface.

13. (Original) The insulated glass assembly of claim 12 wherein at least one of said first and said second perimeter frames defines a desiccant channel within said respective inner surface.